

	Type	Hits	Search Text
1	BRS	1	6109727.pn.
2	BRS	1066	(chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)
3	BRS	45494	347/\$.ccls.
4	BRS	19	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) and 347/\$.ccls.
5	BRS	30233	(chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating)
6	BRS	335	((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating)) and 347/\$.ccls.
7	BRS	906	347/20.ccls. or 347/63.ccls.
8	BRS	20	(347/20.ccls. or 347/63.ccls.) and ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating))

	DBs	Time Stamp	Comments	Error Definition
1	USPAT	2002/02/05 09:48		
2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 12:44		
3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 09:50		
4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 09:50		
5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:04		
6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:04		
7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:04		
8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:05		

	Type	Hits	Search Text
9	BRS	20	((347/20.ccls. or 347/63.ccls.) and ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating))) not (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) and 347/\$.ccls.)
10	BRS	315	((((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating)) and 347/\$.ccls.) not (((347/20.ccls. or 347/63.ccls.) and ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating))) not (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) and 347/\$.ccls.))
11	BRS	114849	(silicon or si) adj (chip or substrate)
12	BRS	58	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) with (tantalum or ta or chrome or cr or nickel or ni or zirconium or zr or molybdenum or mo or tungsten)
13	BRS	8612	(chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)
14	BRS	341171	347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.

	DBs	Time Stamp	Comments	Error Definition
9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:06		
10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:40		
11	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:42		
12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 10:44		
13	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:52		
14	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:57		

	Type	Hits	Search Text
15	BRS	1789	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)
16	BRS	583	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear)
17	BRS	111	(347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear))
18	BRS	125	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or coating)
19	BRS	34	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or coating)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)
20	BRS	12967	(chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)
21	BRS	536	((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization)
22	BRS	136	((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)

	DBs	Time Stamp	Comments	Error Definition
15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 12:45		
16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:01		
17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 12:47		
18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:15		
19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:08		
20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:15		
21	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:47		
22	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:18		

	<b>Errors</b>
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0

	Type	Hits	Search Text
23	BRS	102	((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)) not (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or coating)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.))
24	BRS	0	wo-199211654-\$.did.
25	BRS	2	wo-9211654-\$.did.
26	BRS	662	((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization)
27	BRS	126	((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization)) not ((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization))



	DBs	Time Stamp	Comments	Error Definition
23	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:28		
24	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:29		
25	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:29		
26	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:49		
27	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:49		

	Type	Hits	Search Text
28	BRS	25	(((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization)) not (((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization))) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)
29	BRS	533	(chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)with (metal or metallic or metallization) with (layer or coating or film)
30	BRS	124	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)with (metal or metallic or metallization) with (layer or coating or film) ) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)

	DBs	Time Stamp	Comments	Error Definition
28	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:52		
29	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:06		
30	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:54		

	Type	Hits	Search Text
31	BRS	118	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic or metallization) with (layer or coating or film) ) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)) not (((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization)) not ((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization))) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)) or (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or coating)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)))
32	BRS	274471	347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.
33	BRS	107	(347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear))

	DBs	Time Stamp	Comments	Error Definition
31	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:54		
32	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:58		
33	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 13:59		

	Type	Hits	Search Text
34	BRS	35	((347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear))) not ((347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear)))
35	BRS	234	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization)
36	BRS	48	(347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization))
37	BRS	14	((347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization))) not ((347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear)))

	DBs	Time Stamp	Comments	Error Definition
34	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:00		
35	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:07		
36	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:03		
37	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:03		

	Type	Hits	Search Text
38	BRS	425	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or film or coating or metal or metallic or metallization or metalization)
39	BRS	119832	438/\$.ccls.
40	BRS	40	((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or film or coating or metal or metallic or metallization or metalization)) and 438/\$.ccls.
41	BRS	26	((((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) same (back or backside or (back adj side) or rear) same (layer or film or coating or metal or metallic or metallization or metalization)) and 438/\$.ccls.) not (((347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization))) not ((347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) ) with (back or backside or (back adj side) or rear))))



	DBs	Time Stamp	Comments	Error Definition
38	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:09		
39	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:09		
40	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:10		
41	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/05 14:10		

	Type	Hits	Search Text
1	BRS	2	jp-02087653-\$.did.
2	BRS	1522	(chip or substrate or die or board) with (reinforce or reinforcing or reinforcement or strengthen or strengthened or strengthening or stiffen or stiffener or stiffening or rigid or rigidity) with (metallic or metallization or metal) with (layer or coat or film)
3	BRS	2586750	back or backside or rear
4	BRS	274471	347/\$.ccls. or 438/\$.CCLS. or 257/\$.ccls.
5	BRS	247	438/928.ccls.
6	BRS	56	((chip or substrate or die or board) with (reinforce or reinforcing or reinforcement or strengthen or strengthened or strengthening or stiffen or stiffener or stiffening or rigid or rigidity) with (metallic or metallization or metal) with (layer or coat or film)) with (back or backside or rear)
7	BRS	9	((((chip or substrate or die or board) with (reinforce or reinforcing or reinforcement or strengthen or strengthened or strengthening or stiffen or stiffener or stiffening or rigid or rigidity) with (metallic or metallization or metal) with (layer or coat or film)) with (back or backside or rear)) and (347/\$.ccls. or 438/\$.CCLS. or 257/\$.ccls.))
8	BRS	159	347/56.ccls.
9	BRS	16997	(heater or heating or resistorr or resisitive or electrothermal) with thickness
10	BRS	38	347/56.ccls. and ((heater or heating or resistorr or resisitive or electrothermal) with thickness)

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/06 07:21		
2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/06 07:38		
3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/06 07:39		
4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/06 07:40		
5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/06 07:40		
6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/06 07:40		
7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/06 10:16		
8	USPAT	2002/02/06 07:47		
9	USPAT	2002/02/06 07:48		
10	USPAT	2002/02/06 07:48		